

12-8553: Anti-E. coli K99 pili (Clone K9911-201.3)

Clonality :	Monoclonal
Clone Name :	K9911-201.3
Application :	ELISA
Isotype :	Mouse IgG1
Immunogen Information :	Purified E. coli K99 (B44) pili

Description

Specificity

These antibodies recognize K99+ E. coli. They do not cross-react with K99-negative E. coli (B41), E. coli K88ac, E. coli 987P, Proteus mirabilis, Proteus vulgaris, Pseudomonas aeruginosa, Enterobacter aerogenes, Citrobacter freundii, Klebsiella pneumoniae, or Strep. agalactiae.

Background

Enterotoxigenic Escherichia coli (ETEC) relies heavily on fimbrial adhesins, primarily the K99 (F5) pilus, to colonize the intestinal tracts of neonatal livestock. The K99 pilus is a highly immunogenic, multimeric protein appendage composed of major structural subunits that bind specifically to host glycoproteins. Monoclonal antibodies targeting these distinct conformational epitopes on the K99 pilus are critical for developing highly sensitive immunoassays capable of neutralizing or detecting ETEC before severe secretory diarrhea occurs.

Product Info

Amount :	500 µg / 100 µg
Purification :	Preparation: Antibodies are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates. Concentration: Lot Specific
Content :	Formulation: This monoclonal antibody is formulated in phosphate buffered saline (PBS) pH 7.2 - 7.4 with no carrier protein or preservatives added.
Storage condition :	Antibodies are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Application Note

These antibodies have been qualified for use in ELISA to detect K99+ E. coli.